

AN APPLICATION OF THE DEXTER CORPORATION FOR : CONNECTICUT SITING
A CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY :
AND PUBLIC NEED FOR THE CONSTRUCTION, : COUNCIL
MAINTENANCE, AND OPERATION OF A 48.5 MW
COGENERATION FACILITY LOCATED IN
WINDSOR LOCKS, CONNECTICUT. : January 12, 1987

D E C I S I O N A N D O R D E R

The application submitted by the Dexter Corporation (Dexter) to construct and operate a cogeneration facility is hereby approved. A Certificate of Environmental Compatibility and Public Need, as required by section 16-50k of the Connecticut General Statutes (CGS), shall be issued, subject to the following conditions and report requirements.

1. Conditions

- a) The facility shall be constructed as proposed in the application, as amended and as detailed in the Council's record.
- b) The construction and operation of the facility shall be in accordance with all applicable federal, state, and municipal laws, regulations, and ordinances.
- c) The exhaust stack is to be the lowest height technically possible to facilitate adequate exhaust dispersion without downwash conditions, as determined by the Connecticut Department of Environmental Protection (DEP).
- d) This certificate will be void if all construction authorized herein is not completed by December 1991.

2. Notifications

The certificate holder shall notify the Council of the following:

- a) commencement of construction;
- b) commencement of testing;
- c) commencement of operation; and

- d) intent to terminate operations one year prior to such termination of operations.

3. Development and Management Plan

The certificate holder shall submit the following plans as part of an overall Development and Management Plan for Council approval, modification, or denial within 30 days of the Council's receipt of such plans. The Certificate holder may consult with Council staff in the preparation thereof.

- a) A finalized erosion and sedimentation control plan to include provisions for riverbank stabilization and to minimize sedimentation into the Connecticut River. The plans shall identify the placement, use, and removal of all control measures.
- b) A riverbank landscaping plan showing trees to be removed, trees to remain, and proposed landscaping.
- c) A baseline measurement and monitoring plan for biological oxygen demand (BOD), dissolved oxygen (DO), thermal plume dimensions, impingement and entrainment of organisms, fish passage zones, fish spawning beds, fish spawning levels, and fish populations. The plan is to include a measurement and monitoring schedule and a description of how data will be analysed.
- d) Standards for the maximum amount of fish impingement and entrainment to be permitted and a contingency plan, including design criteria, for the installation of fish removal equipment on the cooling water intake grate for the live removal of impinged fish if such standards are exceeded.

- e) Standards for the maximum BOD level and thermal plume dimensions to be permitted and a contingency plan for mitigation if such standards are exceeded. Mitigation measures may include but are not limited to the following:
 - reduction of operation levels;
 - installation of alternative cooling equipment; or
 - installation of aeration devices.
- f) A reporting mechanism to alert the Council and other interested organizations or government agencies in the event that standards established as part of the plan are exceeded.

4. Reports

The certificate holder shall provide the following reports to the Council and may consult with Council staff in the preparation thereof.

- a) A quarterly progress report, starting with the commencement of construction and ending with the commencement of facility operation.
- b) Documentation of compliance with state and local noise regulations, due no later than six months after commencement of operation. Documentation is to be in the form of ambient day and nighttime testing conducted under normal operating conditions no sooner than one month after commencement of operations.
- c) A first year operating report, to be submitted to the Council within three months after the conclusion of the first year of operation, to include:

- 1) quantities of fuel used,
 - 2) percentages and number of days when fuel oil was used,
 - 3) overall and daily average of electricity output,
 - 4) overall and daily average of steam output,
 - 5) range and daily overall average of facility efficiency, and
 - 6) overall condition and reliability of the facility.
- d) An annual report describing and documenting 1) instances in which standards established as part of the development and management plan were exceeded, and 2) actions taken in response.

5. Permits

The Certificate holder shall provide to the Council when available:

- a) the final approved DEP air emission permits; and
- b) the final approved DEP water compliance permits.

Pursuant to section 16-50p of the CGS, we hereby direct that a copy of the Opinion and Decision and Order shall be served on each person listed below and that a notice of the issuance shall be published in the Hartford Courant.

The parties to this proceeding are:

Lawrence B. Hawes
Vice President
Advanced Manufacturing
C.H. Dexter Division
The Dexter Corporation
One Elm Street
Windsor, Locks, Connecticut 06096

(Applicant)

Ms. Laurie Hunt
Independent Energy Corporation
255 Main Street
Hartford, Connecticut 06106

(its representative)

Mr. Richard Atkins
Environmental Risk Limited
120 Mountain Avenue
Bloomfield, Connecticut 06002

(its representative)

The Connecticut Light & Power Company

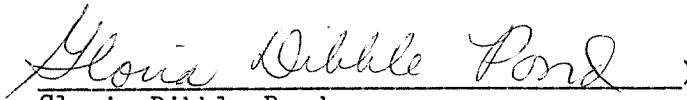


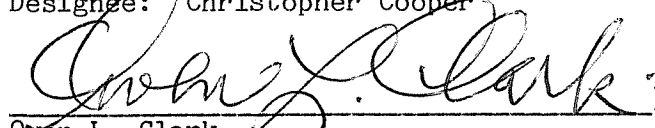


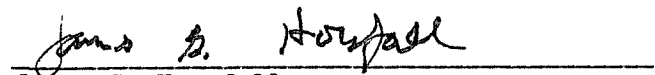
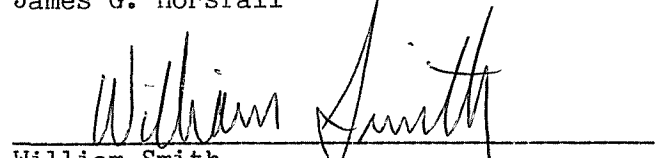

represented by:

Mr. Philip M. Small
Counsel
The Connecticut Light &
Power Company
P.O. Box 270
Hartford, Connecticut 06141-0270

C E R T I F I C A T I O N

The undersigned members of the Connecticut Siting Council hereby certify that they have heard this case or read the record thereof, and that we voted as follows:

Dated at New Britain, Connecticut, this 12th day of January 1987.

<u>Council Members</u>	<u>Vote Cast</u>
 Gloria Dibble Pond Chairperson	Yes
 Commissioner John Downey Designee: Commissioner Peter G. Boucher	Yes
 Commissioner Stanley Pac Designee: Christopher Cooper	Absent
 Owen L. Clark	Yes
 Fred J. Doocy	Abstain
 Mortimer A. Gelston	Yes
 James G. Horsfall	Yes
 William Smith	Yes
 Colin C. Tait	Yes

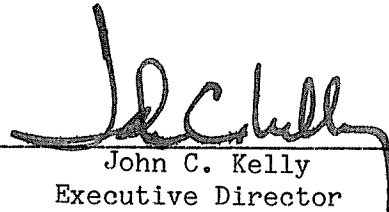
STATE OF CONNECTICUT
COUNTY OF HARTFORD

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ss. New Britain, January 12, 1987

I hereby certify that the foregoing is a true and correct copy of the decision and order issued by the Connecticut Siting Council, State of Connecticut.

ATTEST:

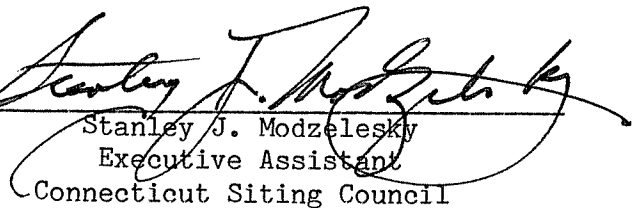


John C. Kelly
Executive Director
Connecticut Siting Council

I certify that a copy of the opinion and decision and order have been forwarded by mail to all parties of record on

January 15, 1987

ATTEST:



Stanley J. Modzelesky
Executive Assistant
Connecticut Siting Council